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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/804,326	03/18/2004	Stephen Robertson	14917.0135US01/MS306779.0	7299

27488 7590 08/27/2007
MERCHANT & GOULD (MICROSOFT)
P.O. BOX 2903
MINNEAPOLIS, MN 55402-0903

EXAMINER

COLAN, GIOVANNA B

ART UNIT	PAPER NUMBER
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2162

MAIL DATE	DELIVERY MODE
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08/27/2007

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Interview Summary

Application No.

10/804,326

Applicant(s)

ROBERTSON ET AL.

Examiner

Giovanna Colan

Art Unit

2162

All participants (applicant, applicant's representative, PTO personnel):

(1) Giovanna Colan.

(3) Ryan T. Grace.

(2) Al-Hashemi.

(4) _____.

Date of Interview: 22 August 2007.

Type: a) ☒ Telephonic b) ☐ Video Conference
c) ☐ Personal [copy given to: 1) ☐ applicant 2) ☐ applicant's representative]

Exhibit shown or demonstration conducted: d) ☐ Yes e) ☒ No.

If Yes, brief description: _____.

Claim(s) discussed: 1.

Identification of prior art discussed: Fleisher.

Agreement with respect to the claims f) ☐ was reached. g) ☒ was not reached. h) ☐ N/A.

Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: During the interview, the applicant discussed the proposed amendments "replicating the content of each filed..." included in the interview agenda.

(A fuller description, if necessary, and a copy of the amendments which the examiner agreed would render the claims allowable, if available, must be attached. Also, where no copy of the amendments that would render the claims allowable is available, a summary thereof must be attached.)

THE FORMAL WRITTEN REPLY TO THE LAST OFFICE ACTION MUST INCLUDE THE SUBSTANCE OF THE INTERVIEW. (See MPEP Section 713.04). If a reply to the last Office action has already been filed, APPLICANT IS GIVEN A NON-EXTENDABLE PERIOD OF THE LONGER OF ONE MONTH OR THIRTY DAYS FROM THIS INTERVIEW DATE, OR THE MAILING DATE OF THIS INTERVIEW SUMMARY FORM, WHICHEVER IS LATER, TO FILE A STATEMENT OF THE SUBSTANCE OF THE INTERVIEW. See Summary of Record of Interview requirements on reverse side or on attached sheet.

Examiner Note: You must sign this form unless it is an Attachment to a signed Office action.

Examiner's signature, if required

Summary of Record of Interview Requirements

Manual of Patent Examining Procedure (MPEP), Section 713.04, Substance of Interview Must be Made of Record

A complete written statement as to the substance of any face-to-face, video conference, or telephone interview with regard to an application must be made of record in the application whether or not an agreement with the examiner was reached at the interview.

Title 37 Code of Federal Regulations (CFR) § 1.133 Interviews

Paragraph (b)

In every instance where reconsideration is requested in view of an interview with an examiner, a complete written statement of the reasons presented at the interview as warranting favorable action must be filed by the applicant. An interview does not remove the necessity for reply to Office action as specified in §§ 1.111, 1.135. (35 U.S.C. 132)

37 CFR §1.2 Business to be transacted in writing.

All business with the Patent or Trademark Office should be transacted in writing. The personal attendance of applicants or their attorneys or agents at the Patent and Trademark Office is unnecessary. The action of the Patent and Trademark Office will be based exclusively on the written record in the Office. No attention will be paid to any alleged oral promise, stipulation, or understanding in relation to which there is disagreement or doubt.

The action of the Patent and Trademark Office cannot be based exclusively on the written record in the Office if that record is itself incomplete through the failure to record the substance of interviews.

It is the responsibility of the applicant or the attorney or agent to make the substance of an interview of record in the application file, unless the examiner indicates he or she will do so. It is the examiner's responsibility to see that such a record is made and to correct material inaccuracies which bear directly on the question of patentability.

Examiners must complete an Interview Summary Form for each interview held where a matter of substance has been discussed during the interview by checking the appropriate boxes and filling in the blanks. Discussions regarding only procedural matters, directed solely to restriction requirements for which interview recordation is otherwise provided for in Section 812.01 of the Manual of Patent Examining Procedure, or pointing out typographical errors or unreadable script in Office actions or the like, are excluded from the interview recordation procedures below. Where the substance of an interview is completely recorded in an Examiners Amendment, no separate Interview Summary Record is required.

The Interview Summary Form shall be given an appropriate Paper No., placed in the right hand portion of the file, and listed on the "Contents" section of the file wrapper. In a personal interview, a duplicate of the Form is given to the applicant (or attorney or agent) at the conclusion of the interview. In the case of a telephone or video-conference interview, the copy is mailed to the applicant's correspondence address either with or prior to the next official communication. If additional correspondence from the examiner is not likely before an allowance or if other circumstances dictate, the Form should be mailed promptly after the interview rather than with the next official communication.

The Form provides for recordation of the following information:

- Application Number (Series Code and Serial Number)
- Name of applicant
- Name of examiner
- Date of interview
- Type of interview (telephonic, video-conference, or personal)
- Name of participant(s) (applicant, attorney or agent, examiner, other PTO personnel, etc.)
- An indication whether or not an exhibit was shown or a demonstration conducted
- An identification of the specific prior art discussed
- An indication whether an agreement was reached and if so, a description of the general nature of the agreement (may be by attachment of a copy of amendments or claims agreed as being allowable). Note: Agreement as to allowability is tentative and does not restrict further action by the examiner to the contrary.
- The signature of the examiner who conducted the interview (if Form is not an attachment to a signed Office action)

It is desirable that the examiner orally remind the applicant of his or her obligation to record the substance of the interview of each case. It should be noted, however, that the Interview Summary Form will not normally be considered a complete and proper recordation of the interview unless it includes, or is supplemented by the applicant or the examiner to include, all of the applicable items required below concerning the substance of the interview.

A complete and proper recordation of the substance of any interview should include at least the following applicable items:

- 1) A brief description of the nature of any exhibit shown or any demonstration conducted,
- 2) an identification of the claims discussed,
- 3) an identification of the specific prior art discussed,
- 4) an identification of the principal proposed amendments of a substantive nature discussed, unless these are already described on the Interview Summary Form completed by the Examiner,
- 5) a brief identification of the general thrust of the principal arguments presented to the examiner,
(The identification of arguments need not be lengthy or elaborate. A verbatim or highly detailed description of the arguments is not required. The identification of the arguments is sufficient if the general nature or thrust of the principal arguments made to the examiner can be understood in the context of the application file. Of course, the applicant may desire to emphasize and fully describe those arguments which he or she feels were or might be persuasive to the examiner.)
- 6) a general indication of any other pertinent matters discussed, and
- 7) if appropriate, the general results or outcome of the interview unless already described in the Interview Summary Form completed by the examiner.

Examiners are expected to carefully review the applicant's record of the substance of an interview. If the record is not complete and accurate, the examiner will give the applicant an extendable one month time period to correct the record.

Examiner to Check for Accuracy

If the claims are allowable for other reasons of record, the examiner should send a letter setting forth the examiner's version of the statement attributed to him or her. If the record is complete and accurate, the examiner should place the indication, "Interview Record OK" on the paper recording the substance of the interview along with the date and the examiner's initials.

Merchant & Gould

An Intellectual Property Law Firm

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A Professional Corporation

Fax Transmission | August 10, 2007

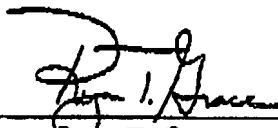
TO:

Attn: Examiner Giovanna B. Colan Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450	FROM: Ryan T. Grace OUR REF: 14917.135US01
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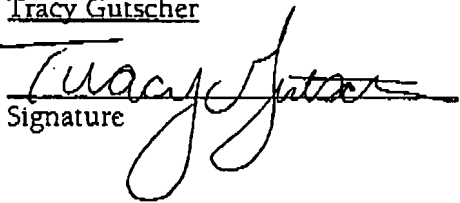
Total pages, including cover letter: 4

PTO FAX NUMBER 1-571-273-2752

If you do NOT receive all of the pages, please telephone us at 206.342.6200, or fax us at 206.342.6201.

Title of Document Transmitted: Applicant Initiated Interview Request FormApplicant: Stephen Robertson et al.Serial No.: 10/804.326Filed: March 18, 2004Group Art Unit: 2162Our Ref. No. 14917.135US01Confirmation No. 7299By: 
Name: Ryan T. Grace
Reg. No.: 52,956

I hereby certify that this paper is being transmitted by facsimile to the U.S. Patent and Trademark Office on the date shown below.

Tracy GutscherSignature Date 8-10-07

Applicant Initiated Interview Request Form

Application No.: 10/804,326

First Named Applicant: Robertson

Examiner: Colan

Art Unit: 2162

Status of Application: Pending

Tentative Participants:

(1) Examiner Colan

(2)

(3) Ryan Grace

(4)

Proposed Date of Interview: Please call **Proposed Time:** Please call**Type of Interview Requested:**(1) ☒ Telephonic (2) ☐ Personal (3) ☐ Video Conference**Exhibit To Be Shown or Demonstrated:** ☐ Yes ☐ No

If yes, provide brief description:

Issues To Be Discussed

(1) 103 Rejection

Independent claim 1 includes the following combination of features that is not taught or suggested by the cited reference:

replicating the content of each field of the document a number of times indicated by a field weight corresponding to the field to produce an individual field set corresponding to each field in the document;

combining each field set for the document into a virtual document;

indexing the virtual document to produce a virtual document statistics; and

computing the field-weighted score from the virtual document index based on the query.

The above combination of features is not taught or suggested by the cited references. Fleischer teaches that what is desired in the art is "an automatic means by which to process available documents to provide a reader a synopsis of the material contained in the document." *Fleisher* at col. 1, lines 25-27. Fleischer addresses this need by providing a method and apparatus for condensing a document. *Fleisher* at col. 1, lines 34-37. Fleisher divides the document into a plurality of sections and compares the words of the sections to a document noun phrase list. *Fleisher* at col. 1, lines 41-54. Fleisher counts the number of times that a match occurs between the words of the section and the document noun phrase list. *Fleisher* at col. 1, lines 41-54. The count of matches is then used to rank the section of the document. *Fleisher* at col. 1, lines 41-54. When a user

pulls up the document, the sections will be presented to give the reader of synopsis of the material contained in the document. *Fleisher* at col. 1, lines 41-54.

More specifically in *Fleisher*, the document is divided into noun phrases. The noun phrases are given a weight that is based on the number of times that the noun phrase appears in the document and the typical usage of the noun in the English language. *Fleisher* at col. 3, lines 31-52. After the noun phrases of the document have been identified and ranked, the document is divided into sections (e.g. chapters, paragraphs or sentences). *Fleisher* at col. 3, lines 52-60. Each section is then analyzed to provide a section noun phrase list which corresponds to the section. *Fleisher* at col. 3, lines 61-65. A score is given to the section based on the noun phrases. *Fleisher* teaches that "[o]ne method of determining the "score" for a section is to simply add the weights associated with each of the noun phrases identified for the section which are also found in the document noun phrase list 26." *Fleisher* at col. 4, lines 9-14. From the rankings, the Extractor then determines which paragraphs of the original input document will appear in the output text. *Fleisher* at col. 4, lines 16-18.

Fleisher uses the noun phrase to rank the sections to determine which section to output because *Fleisher* is concerned with providing an automatic means by which to process available documents to provide a reader a synopsis of the material contained in the document. Claim 1 recites "replicating the content of each field of the document a number of times indicated by a field weight corresponding to the field to produce an individual field set corresponding to each field in the document." *Fleisher* does not teach or suggest these features. As mentioned, *Fleisher* ranks a section based on the content of the section. The above feature of claim 1 weights the content of a field based of the weight of the field. Furthermore, *Fleisher* does not teach replicating the content of each field a number of times indicated by the field weight. Claim 1 also recites "combining each field set for the document into a virtual document." The field set is produced from "replicating the content of each field of the document a number of times indicated by a field weight corresponding to the field." *Fleisher* does not even mention producing a virtual document in this manner. *Fleisher* teaches output text that includes a set of synopsis. Claim 1 also recites "indexing the virtual document to produce a virtual document statistics." The virtual document includes each field set of the document. Each field set of the document is produced by replicating the content of each field of the document a number of times indicated by a field weight corresponding to the field. *Fleisher* does not teach this combination of features. *Fleisher* teaches storing the output text, where the output text is a synopsis of the document. Claim 1 also recites "computing the field-weighted score from the virtual document index based on the query." The virtual document includes each field set of the document. Each field set of the document is produced by replicating the content of each field of the document a number of times indicated by a field weight corresponding to the field. *Fleisher* does not teach or suggest the virtual document as recited let alone a field weighted score from the virtual document index based on a query.

Brin does not remedy the lack of teaching in *Fleisher*. Brin is the academic paper that seeded Google. Brin teaches a PageRank calculation for a search. The PageRank calculation is an algorithm for ranking a page in a database so that when a user searches a database the most relevant pages are returned. PageRank is an attempt at an objective measure of a pages citation importance. *Brin*, at section 2.1. PageRank takes into

account how many pages link or point to the page of interest. For example, a page may have a high PageRank if several pages link or point to the page. *Brin*, at section 2.1. The PageRank is a measure of the significance of the page in a search.

Brin identifies Anchor Text as text of links in a page. For the search engine, Brin associates the text of the link with the page that the link is on and the page that the link points to. Through the double association, searches can be ran for non-text items that are not identified by a web crawler and the accuracy of the search is increased. Here, Brin is teaching calculating a citation importance for a page through a PageRank and using anchor text to improve the accuracy of a search. For example, a user may input a very general search such as "Bill Clinton." The search engine will produce search results that include pages which have a high PageRank (e.g. have been cited to by other documents).

Brin also teaches that "a hit list corresponds to a list of occurrences of a particular word in a particular document including position, font, and capitalization information. *Brin*, at section 4.2.5. Brin teaches two types of hits that include fancy hits and plain hits. *Brin*, at section 4.2.5. Fancy hits include hits occurring in a URL, title, anchor text, or meta tag. *Brin*, at section 4.2.5. Plain hits include everything else. *Brin*, at section 4.2.5. The two types of hits are used during the ranking of the documents. Brin teaches that "Google considers each hit to be one of several different types (title, anchor, URL, plain text large font, plain text small font) each having its own type-weight. *Brin*, at section 4.5.1. Here, Brin does teach weighting different attributes during a search. However, Brin does not teach the combination of claim 1. Brin does not teach "replicating the content of each field of the document a number of times indicated by a field weight corresponding to the field to produce an individual field set corresponding to each field in the document." In fact, Brin does not teach the replication of the document. Brin pertains to the document itself. Also, Brin does not teach "a virtual document." Again, Brin pertains to the document itself. A virtual document as recited in claim 1 is never described. As also recited in claim 1, the virtual document is indexed and claim 1 recites "computing the field-weighted score from the virtual document index based on the query." There is no such teaching in Brin. Accordingly applicants assert that claim 1 is allowable over the references.

An interview was conducted on the above-identified application on _____. NOTE: This form should be completed by applicant and submitted to the examiner in advance of the interview (see MPEP § 713.01).

This application will not be delayed from issue because of applicant's failure to submit a written record of this interview. Therefore, applicant is advised to file a statement of the substance of this interview (37 CFR 1.133(b)) as soon as possible.


Applicant/Applicant's Representative Signature

Examiner/SPE Signature

Ryan T. Grace
Typed/Printed Name of Applicant or Representative

52,956
Registration Number, if applicable